

Appl. No. 09/881,868
Amdt. dated 3/2/05
Reply to Office Action of July 1, 2004

PATENT
Docket: 010362

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Cancelled)
2. (Currently Cancelled)
3. (Currently Cancelled)
4. (Currently Cancelled)
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29. (Currently Cancelled)

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- 30. (Currently Cancelled)
- 31. (Currently Cancelled)
- 32. (Currently Cancelled)
- 33. (Currently Cancelled)

34. (New) A Subscriber Identity Module (SIM) adapted for and powered by a wireless communication device (WCD), the WCD including a power management routine and a memory, the SIM comprising:

means for storing a first unique identifier;

means for accessing the first unique identifier at an initial power up of the WCD to permit access to the SIM by the WCD and enable the first unique identifier to be stored in the memory of the WCD;

means for receiving a second unique identifier at a subsequent power up of the SIM, the SIM having been powered down under control of a power management routine performed by the WCD;

means for comparing the second unique identifier received from the WCD to the first unique identifier; and

means for enabling access of the SIM by the WCD based on the comparison.

35. (New) The SIM of claim 34, wherein the first and second unique identifiers comprise Integrated Circuit Card Identifiers (ICCID).

36. (New) The SIM of claim 34, wherein the SIM includes an interface circuit for interfacing with the WCD, the interface circuit terminating power to the SIM during powering down.

37. (New) The SIM of claim 34, wherein the SIM includes an interface circuit for interfacing with the WCD, the interface circuit terminating power to the SIM during powering down.

38. (New) A WCD including a power management routine and a memory and adapted for use with a SIM, the WCD comprising:

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means for storing in the memory a first unique identifier generated in response to an initial power up of the WCD permitting access to the SIM by the WCD;
means, responsive to the power management routine, for powering down the SIM;
means responsive to the power management routine for powering up the SIM;
means for transmitting the first unique identifier to the SIM; and
means for detecting access to the SIM in response to the SIM matching the first unique identifier from the WCD to a second unique identifier stored in the SIM.

39. (New) The WCD of claim 38, wherein the first and second unique identifiers comprise Integrated Circuit Card Identifiers (ICCID's).

40. (New) The WCD of claim 38, wherein the SIM includes an interface circuit for interfacing with the WCD, the means for powering up the SIM including providing power to the SIM.

41. (New) The WCD of claim 39, wherein the SIM includes an interface circuit for interfacing with the WCD, the means for powering up the SIM including providing power to the SIM.

42. (New) The WCD of claim 41, wherein the power management routine continues a power management cycle by maintaining power to the SIM when a match occurs, and aborts the power-up process when a match fails.

43. (New) The WCD of claim 42, wherein the power management routine terminates power to the SIM in response to a power down command and on the basis of a voting process.

44. (New) The WCD of claim 43, wherein terminating power to the SIM comprises terminating power to the SIM when no request is pending for service by the SIM and no software module running on the WCD requests maintenance of power to the SIM.

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45. (New) The WCD of claim 38, wherein the power management routine continues a power management cycle by maintaining power to the SIM when a match occurs, and aborts the power-up process when a match fails.

46. (New) The WCD of claim 45, wherein the power management routine terminates power to the SIM in response to a power down command and on the basis of a voting process.

47. (New) The WCD of claim 46, wherein terminating power to the SIM comprises terminating power to the SIM when no request is pending for service by the SIM and no software module running on the WCD requests maintenance of power to the SIM.

48. (New) A computer-readable medium having instructions, including a power management routine, stored thereon for causing a WCD having a memory and adapted for use with a SIM to:

- store in the memory a first unique identifier generated in response to an initial power up of the WCD permitting access to the SIM by the WCD;
- power down the SIM in response to the power management routine;
- power up the SIM in response to the power management routine;
- transmitting the first unique identifier to the SIM; and
- detecting access to the SIM in response to the SIM matching the first unique identifier from the WCD to a second unique identifier stored in the SIM.

49. (New) The computer readable medium of claim 48, wherein the first and second unique identifiers comprise Integrated Circuit Card Identifiers (ICCID's).

50. (New) The computer readable medium of claim 49, wherein the power management routine continues a power management cycle by maintaining power to the SIM when a match occurs and aborts the power-up process when a match fails.

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51. (New) The computer readable medium of claim 51, wherein the power management routine terminates power to the SIM in response to a power down command and on the basis of a voting process.

52. (New) The computer readable medium of claim 52, wherein terminating power to the SIM comprises terminating power to the SIM when no request is pending for service by the SIM and no software module running on the WCD requests maintenance of power to the SIM.

53. (New) The computer readable medium of claim 48, wherein the SIM includes an interface circuit for interfacing with the WCD, the instruction for powering up the SIM including providing power to the SIM.--